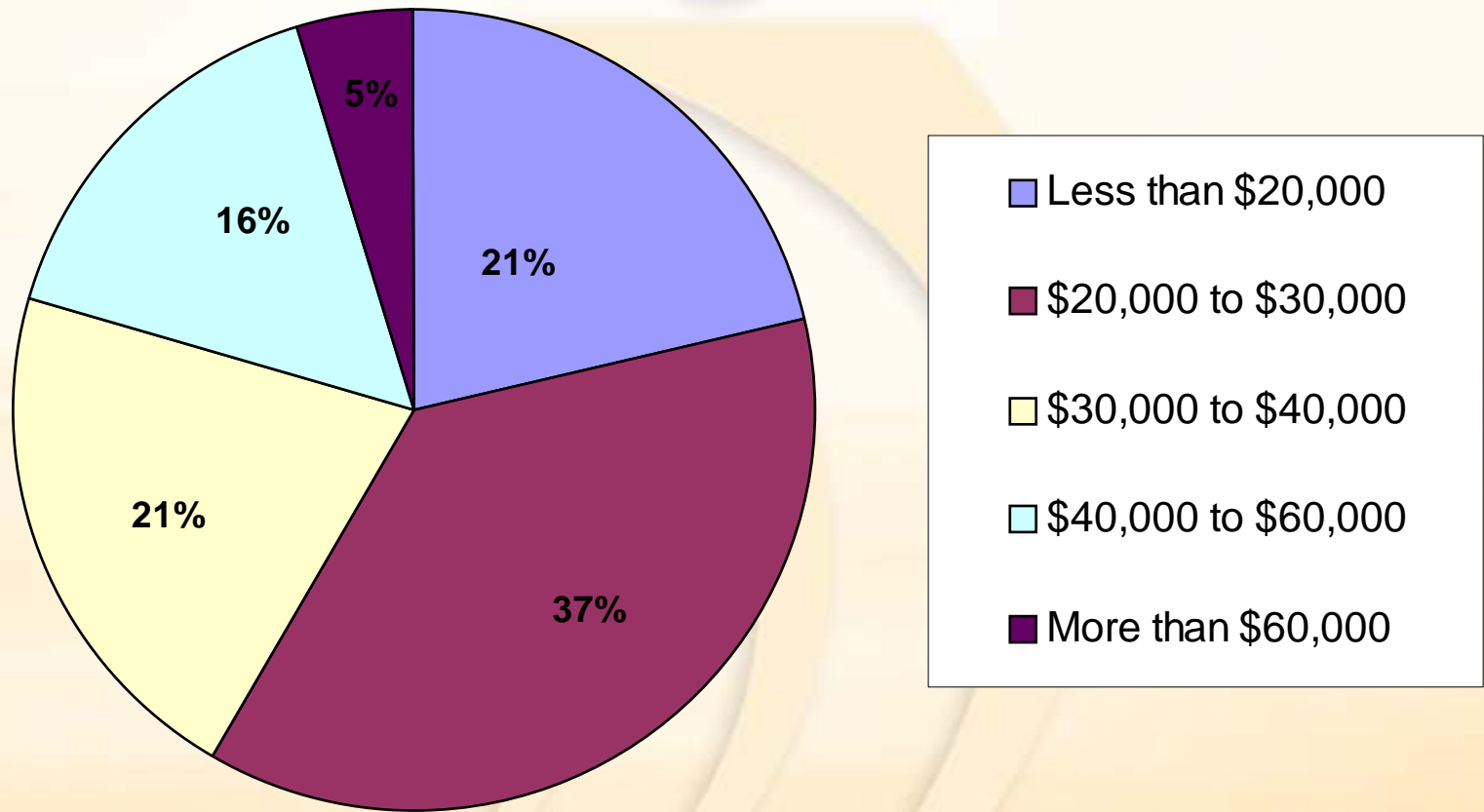


# Occupations in the Montana Economy

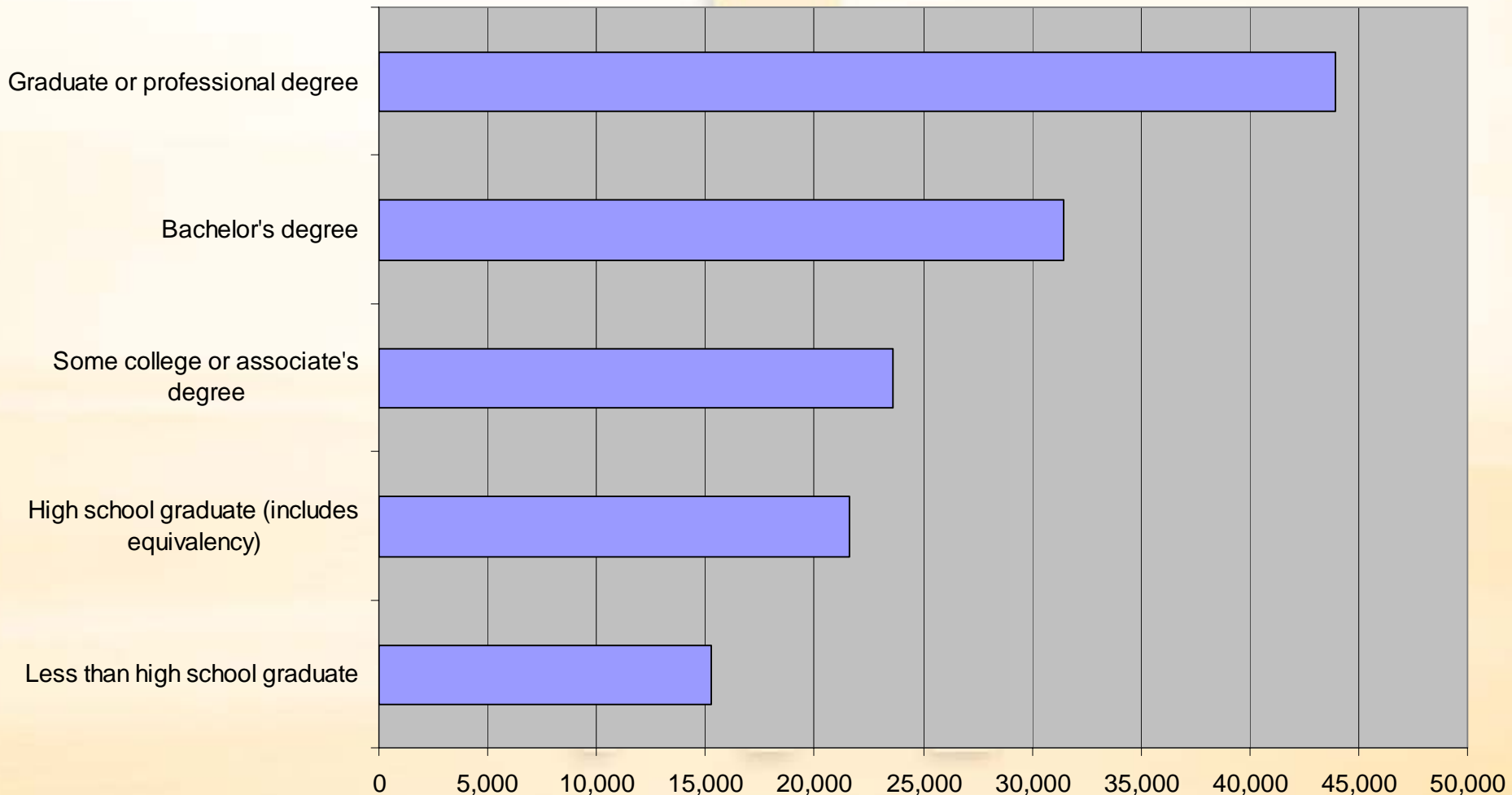
Commissioner Keith Kelly  
Board of Education  
Kindergarten to College Workgroup  
January 31, 2008  
2<sup>nd</sup> Floor, State Capitol  
Revised March 21, 2008

# Wage Distribution of Montana's Jobs, 2006



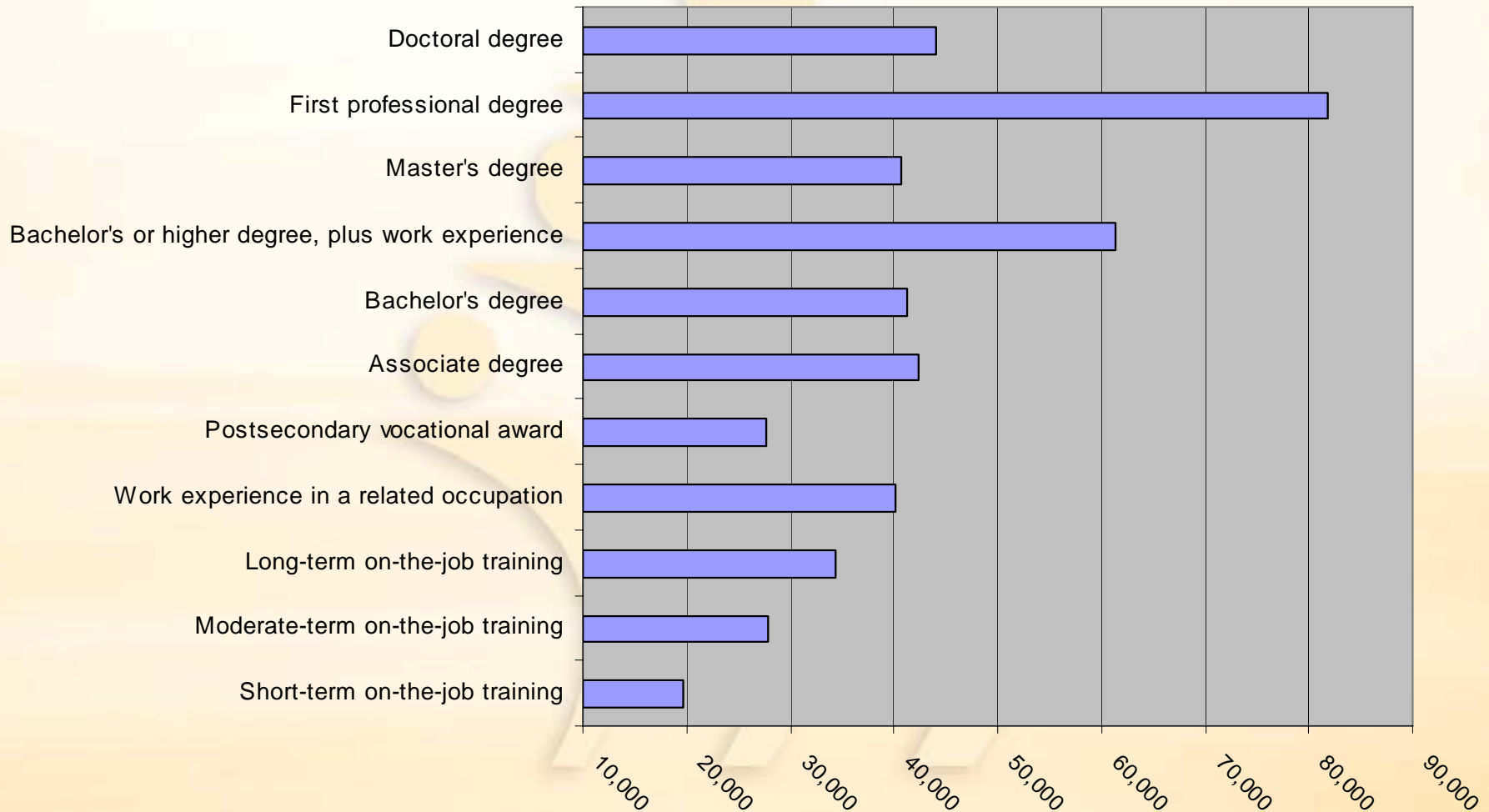
Source: Bureau of Labor Statistics: Occupational Employment and Wage Estimates, May 2006

# Median Earnings over the past 12 months by educational attainment of the population over 25



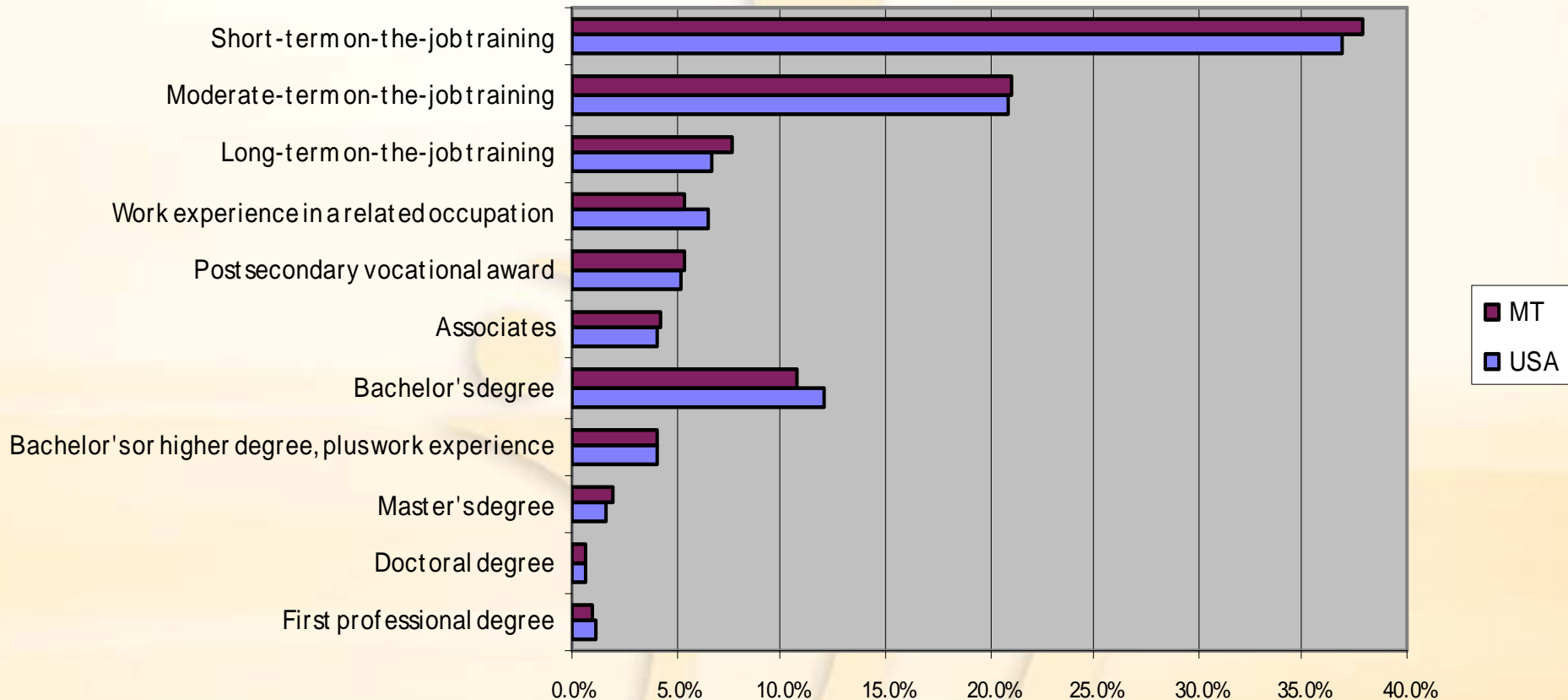
Source: US Census Bureau, American Community Survey, 2005

# Average Wage by Training Requirements, 2006 Montana Jobs



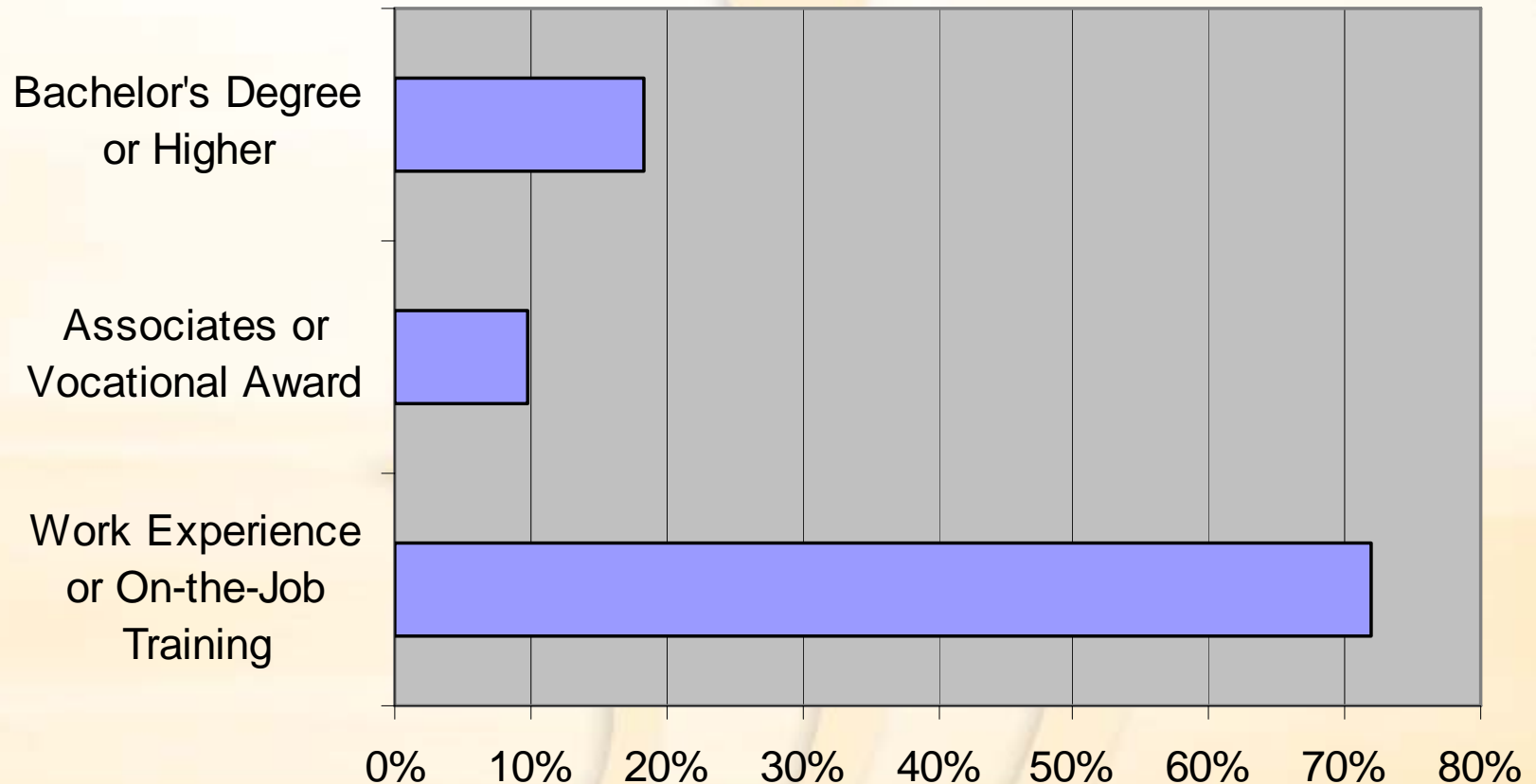
Source: Bureau of Labor Statistics: Occupational Employment Statistics Program, 2006

# Education and Training Requirements, MT vs. USA

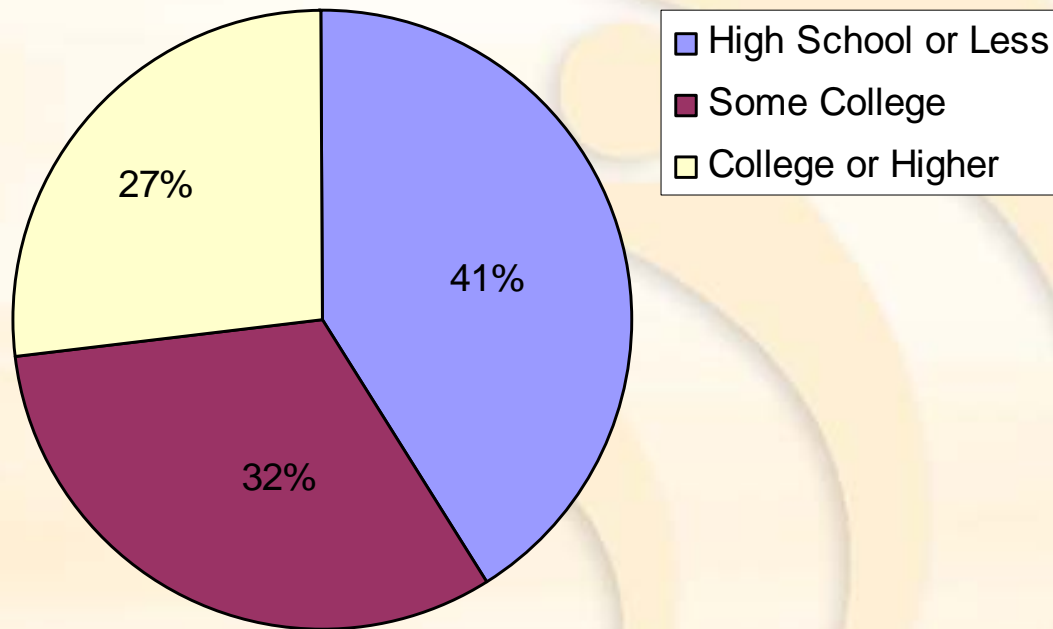


Source: Bureau of Labor Statistics: Occupational Employment Survey, May 2006

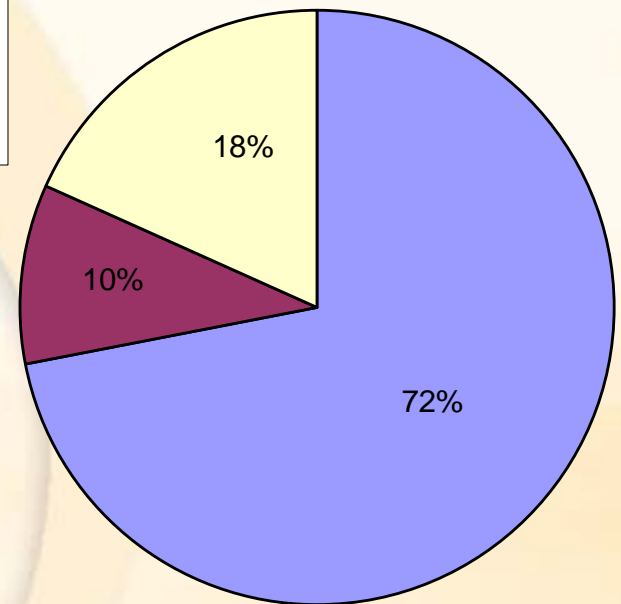
# Most of Montana Jobs Require Work Training Only



# Montana's Mismatch



Education Levels in Montana



Job Requirements in Montana

# Top Ten Occupations in the Montana Economy

Commissioner Keith Kelly  
Board of Education  
Kindergarten to College Workgroup  
January 31, 2008  
2<sup>nd</sup> Floor, State Capitol  
Revised March 21, 2008



### Top 10 General Occupations, 2006 Employment

	2006 Employment	Annual Wage
Office and administrative support occupations	72,280	25,670
Sales and related occupations	43,990	25,480
Food preparation and serving related occupations	43,210	16,390
Transportation and material moving occupations	29,400	28,650
Construction and extraction occupations	29,210	35,960
Education, training, and library occupations	27,460	32,600
Healthcare practitioners and technical occupation	21,710	52,500
Management occupations	19,210	61,660
Installation, maintenance, and repair occupations	19,050	35,630
Production occupations	18,450	29,360

### Top 10 Specific Occupations, 2006 Employment

	2006 Employment	Annual Wage
Retail salespersons	17,630	22,780
Cashiers	11,160	16,940
Waiters and waitresses	9,990	15,040
Bookkeeping, accounting, and auditing clerks	9,800	27,300
General and operations managers	9,390	65,720
Secretaries, except legal, medical, and executive	8,610	22,420
Janitors and cleaners, except maids and housekeepers	8,510	20,350
Combined food preparation and fast food workers	7,520	15,130
Unclassified office and administrative support	7,490	25,670
Registered nurses	7,290	51,550

## Medium Wage Jobs (\$30,000 to \$60,000) that Employ the Most Montana Workers, 2006 Employment by Specific Occupation

	Employment	Annual Wage	Training Required
Registered nurses	7,290	51,550	Associate degree
Truck drivers, heavy and tractor-trailer	6,610	33,270	Moderate-term on-the-job training
Carpenters	5,910	32,940	Long-term on-the-job training
Elementary school teachers, except special education	5,370	35,480	Bachelor's degree
Maintenance and repair workers, general	4,420	30,340	Moderate-term on-the-job training
Secondary school teachers, except special and vocational education	4,380	37,810	Bachelor's degree
Sales representatives, wholesale and manufacturing, except technical and scientific products	3,250	42,550	Work experience in a related occupation
Unclassified Education, training, and library occupations	3,210	32,600	Bachelor's degree
First-line supervisors/managers of office and administrative support workers	2,980	38,910	Work experience in a related occupation
Accountants and auditors	2,830	49,880	Bachelor's degree

# High Wage Jobs (over \$60,000) that Employ the Most Montana Workers, 2006 by Detailed Occupation

	Employment	Annual Wage	Training Required
General and operations managers	9,390	65,720	Bachelor's or higher degree, plus work experience
Uncategorized Management occupations	1,010	61,660	Bachelor's or higher degree, plus work experience
Pharmacists	920	81,300	First professional degree
Financial managers	920	66,960	Bachelor's or higher degree, plus work experience
Computer systems analysts	830	64,830	Bachelor's degree
Education administrators, elementary and secondary school	620	60,870	Bachelor's or higher degree, plus work experience
Family and general practitioners	480	123,140	First professional degree
Medical and health services managers	430	66,940	Bachelor's or higher degree, plus work experience
Personal financial advisors	420	69,800	Bachelor's degree
Natural sciences managers	340	80,210	Bachelor's or higher degree, plus work experience

# Top 10 Specific Occupations by Training and Education: Vocational or Associate Degrees

	Employment	Annual Wage	Training Required
Registered nurses	7,290	51,550	Associate degree
Nursing aides, orderlies, and attendants	4,680	19,870	Postsecondary vocational award
Licensed practical and licensed vocational nurses	2,740	30,950	Postsecondary vocational award
Automotive service technicians and mechanics	2,340	32,920	Postsecondary vocational award
Forest and conservation technicians	2,240	31,200	Associate degree
Computer support specialists	1,290	32,720	Associate degree
Hairdressers, hairstylists, and cosmetologists	1,020	18,970	Postsecondary vocational award
Welders, cutters, solderers, and brazers	960	suppressed	Postsecondary vocational award
Bus and truck mechanics and diesel engine specialists	870	35,350	Postsecondary vocational award
Preschool teachers, except special education	840	20,420	Postsecondary vocational award

# Top 10 Specific Occupations by Training and Education: Bachelor's Degree

	Employment	Annual Wage
Elementary school teachers, except special education	5,370	35,480
Secondary school teachers, except special and vocational education	4,380	37,810
Accountants and auditors	2,830	49,880
Business operations specialists, all other	2,250	48,090
Teachers and instructors, all other	1,640	21,720
Middle school teachers, except special and vocational education	1,630	35,000
Computer programmers	1,190	55,430
Loan officers	1,100	47,200
Insurance sales agents	980	46,080
Civil engineers	880	58,010

# Top 10 Specific Occupations by Training and Education: Bachelor's Degree plus Additional Experience or Education

	Employment	Annual Wage	Training Required
General and operations managers	9,390	65,720	Bachelor's or higher degree, plus work experience
Lawyers	1,470	58,880	First professional degree
Pharmacists	920	81,300	First professional degree
Financial managers	920	66,960	Bachelor's or higher degree, plus work experience
Educational, vocational, and school counselors	860	38,760	Master's degree
Environmental scientists and specialists, including health	760	42,990	Master's degree
Librarians	740	36,240	Master's degree
Physical therapists	720	55,670	Master's degree
Clergy	720	30,770	Master's degree
Education administrators, elementary and secondary school	620	60,870	Bachelor's or higher degree, plus work experience



# Top Ten Fastest Growing Occupations, by Projected Growth 2004 - 2014


	Growth	Average Annual Openings	Annual Wage	Training Required
Social and human service assistants	64%	159	20,571	Moderate-term on-the-job training
Computer software engineers, systems software	56%	17	58,594	Bachelor's degree
Computer software engineers, applications	48%	27	50,960	Bachelor's degree
Physician assistants	47%	16	66,269	Bachelor's degree
Respiratory therapists	44%	27	41,808	Associate degree
Personal and home care aides	44%	207	16,786	Short-term on-the-job training
Medical assistants	43%	55	22,048	Moderate-term on-the-job training
Pharmacists	43%	61	80,142	First professional degree
Mental health and substance abuse social workers	42%	24	31,450	Master's degree
Network systems and data communications analysts	42%	30	41,475	Bachelor's degree



# Top Ten Fastest Growing Occupations, by Projected Annual Openings 2004 - 2014

	Average Annual Openings	Annual Wage	Training Required
Retail salespersons	1,044	17,618	Short-term on-the-job training
Child care workers	911	15,600	Short-term on-the-job training
Cashiers	789	15,558	Short-term on-the-job training
Waiters and waitresses	577	13,146	Short-term on-the-job training
Carpenters	507	31,886	Long-term on-the-job training
General and operations managers	428	50,211	Bachelor's or higher degree, plus work experience
Registered nurses	423	47,819	Associate degree
First-line supervisors/managers of retail sales workers	403	26,728	Work experience in a related occupation
Truck drivers, heavy and tractor-trailer	359	30,451	Moderate-term on-the-job training
Janitors and cleaners, except maids and housekeeping cleaners	348	18,928	Short-term on-the-job training

# Projected Growth in Jobs by Wage Category 2004 - 2014



	<b>Average Annual Openings</b>	<b>Growth in Jobs</b>
Over \$60,000	464	22%
\$40,000 - \$60,000	3,077	21%
\$20,000 - \$40,000	7,973	16%
Less than \$20,000	8,435	18%

# Projected Growth by Education and Training Category 2004 – 2014

	<b>Average Annual Openings</b>	<b>Growth in Jobs</b>
First professional degree	309	29%
Doctoral degree	88	20%
Master's degree	243	19%
Bachelor's or higher degree, plus work experience	753	18%
Bachelor's degree	1711	28%
Associate degree	611	20%
Postsecondary vocational training	1022	22%
Work experience in a related occupation	1747	15%
Long-term on-the-job training	1584	20%
Moderate-term on-the-job training	3158	17%
Short-term on-the-job training	8723	20%

# Projections for Future Jobs

- Occupational projections for 2004 to 2014 are available on our website: [lmi.mt.gov](http://lmi.mt.gov)
- These projections can also be analyzed using the Occupational Supply Demand System
- Updated projections based on 2006 data will be available soon.

# Tools for Workforce Analysis: Occupational Supply Demand System

- Identify and analyze occupations.
  - Example: Click through to view job projections based on high wage, skill, and/or demand.
- Designed for:
  - Education and training program planners,
  - Workforce and economic developers, and
  - Career counselors and One-stop staff.
  - Especially helpful for schools receiving Carl Perkins \$\$.
- Available at: [lmi.mt.gov](http://lmi.mt.gov)